

Note: This information is provided for reference purposes only. Although the information provided here was accurate and current when first created, it is now outdated.

Papers included in Watershed 96 proceedings reflect the opinions of the authors and do not necessarily represent official positions of the Environmental Protection Agency.

## Watershed '96

## **Contents - Table Topics**

## **TABLE TOPICS**

Watershed Planning in an Urban Area to Address Multiple Water Quality Objectives	917
Guy Apicella, Francisco Brilhante, Michael Lorenzo, Vincent J. DeSantis	
A Watershed Management Flight Simulator	921
Samuel H. Austin	
Evaluation of Federal Agency/Nonprofit Organization Partnerships	925
Jennifer Bing, Amy Doll, Christine Ruf	
Collateral Planning of Habitat for Humans and Other Species	929
Ben W. Breedlove, David M. Taylor	
Targeting Criteria and Assessment Information Goals for Diffuse Pollution in Mined Watersheds	932
Brian S. Caruso	
Public Drinking Water Supply and Self-Supporting Passive Recreation on Watershed Land and Reservoirs	936
Thomas V. Chaplik	

Dredged Material Management from a Watershed Perspective	939
Thomas J. Chase, John Lishman, Craig Vogt	
Multi-Objective Planning for an Urbanizing Watershed	942
Catherine Collis, Eric Machorro, John Davis	
Development and Utilization of a Special Area Management Plan for Regulatory Water Resources Management in Eastern Baltimore County, Maryland	945
Mark Colosimo, Jeff Thompson	
Modeling the Impact of Macrophytes for a Wasteload Allocation Study in the North Branch Rancocas Watershed	949
James F. Cosgrove, Jr., Peter H. Israelsson	
Full GIS/Watershed Modeling Automation	952
Paul A. DeBarry	
Water Quality of the Clearwater River Effect of Nonpoint Sources and a Strategy for Improvement	953
Mark R. Deutschman, David Fink	
Analytical Approaches in a Watershed-Based CSO Control Plan	955
Daniel W. Donahue, Cheryl A. Breen, David A. Kubiak	
Natural Resource Systems Analysis & Design for the City of Madison, Mississippi (A Watershed Approach for Addressing Multiple Issues)	959
Ernie E. Dorrill III	
Platte Watershed Program: Promoting Common Goals in a Diverse Watershed	961
Michael T. Eckert, Thomas G. Franti	
Use of Wetlands and Riparian Protection for Improving Water Quality in Upper Klamath Lake, Oregon A Watershed Approach	964
R. A. Gearheart, Jeff Anderson, Margaret George Forbes	
<b>Recent Experiences Implementing Watershed Rules and Regulations in New York State</b>	968
Kenneth J. Goldstein, Justin D. Mahon, Jr., Russell C. Mt. Pleasant	
<b>Integrated Watershed Management Mode User Interface and Model Description</b>	972
L. E. Gomez, C. L. Chen, C. M. Wu, I. L. Cheng	
Development of a Watershed-Level Model for Use as a Management Tool to Assess Fecal Coliform Pollution Potential from Various Land Uses	976
John J. Gregoire, Scott Horsley	
Water Quality Trends of the Mid-Atlantic and Northeast Watersheds Over the Past 100 Years	980
Norbert A. Jaworski, Leo J. Hetling	

The Development of a Statewide Database of Urban Stormwater Best Management Practices	984
Wayne H. Jenkins	
Stakeholder Involvement in Watershed Planning: The New Melones Lake Success Story	988
Karen E. Johnson, Mike Petrinovich, Denise Rousseau, Kevin Butterbaugh	
Percent Treated Analysis of Demonstration Combined Sewer Overflow Control Facilities	991
Edward Kluitenberg, Vyto Kaunelis	
Tools to Manage Watersheds in the 90's and After	995
Mehmet "DJ" Kutsal	
Filling the Watershed Toolbox	999
Mohammed Lahlou, Leslie L. Shoemaker, Dipmani Kumar, Mark Bryer	
Aquatic Chemistry/Toxicology in Watershed-Based Water Quality	1003
G. Fred Lee, Anne Jones-Lee	
Watershed Management Master Plan for the City of Falls Church, Virginia	1007
Hunter Loftin, Dave Sobers, Wayne French	
Storm Water Pollution Prevention in Urban Watersheds: Action Plans for Industrial Participation	1009
Daniel E. Medina, Mary Roman, Tieh Yin	
Justification of Certain Land Acquisition Criteria for Water Quality Protection	1012
Sean Murphy, Paul Schwartzberg, J. Wolfe Tone	
Pesticide Occurrence in Ground and Surface Waters in a Coastal Plain Watershed	1016
J. M. Novak, D. W. Watts, K. C. Stone, M. H. Johnson, P. G. Hunt, S. W. Coffey	
Institutional Framework for Water Quality Over the Past Century	1019
Katherine O'Connor	
A Watershed Approach to Total Water Management	1023
Carolyn Hardy Olsen, Raymond Matasci	
BMP for Stormwater Polluted Base Flows	1026
William C. Pisano, Gabriel Novac, Nick Grande, George Zukovs	
An Innovative Approach to Watershed Restoration: Baltimore County's Comprehensive Bird River Watershed Water Quality Management Project	1029
Robert R. Ryan	
Making the Most of Internet: Lake Michigan Mass Balance Outreach Program	1033
Carie Schaffer, Philip S. Strobel	

The Delaware Estuary Program's Regional Information Management Service (RIMS)	1036
Stephen B. Schlags, Deborah J. Kratzer	
A Multidisciplinary Course for Environmental Professionals	1039
Charles Schrader, James Koelliker	
Transboundary Water-Supply Optimization for Lower Cape Cod, Massachusetts: Embedding Management Goals Within Hydrogeologic Models	1042
Bob Sobczak, Thomas Cambareri	
<b>Active Watershed Education</b>	1045
Charlotte F. Spang, Vicky J. O'Neal	
Value of the Watershed Approach with Regard to Impacts on Municipal Water Supplies	1048
Roland C. Steiner	
Assessment of the Impact of Cuyahoga River Watershed Sources on Receiving Water Quality	1050
Richard Steinhart, Dennis Long, Daniel Markowitz, Michael McGlinchy, Wendy Reust, Mark Moore	
Environmental Effectiveness of the Secondary Treatment Requirements of the 1972 Clean Water Act: National and Watershed-Based Perspectives	1053
A. Stoddard, J. R. Pagenkopf, J. Harcum, J. Fitzpatrick, W. Lung, R. Bastian	
Using the Omni Diurnal Model to Develop a Watershed Wasteload Allocation for Phosphorus	1057
Scott T. Taylor, James F. Cosgrove	
Rouge River Watershed Illicit Sewer Connection Detection Program: A GIS Application	1062
Dean Tuomari	
The MSEA Project Integrating Research and Education for Cleaner Water	1065
Nathan L. Watermeier, Scott Killpack, Bruce Giebink, Margaret Smith, Kelly Wertz, Mitch Woodward	
Rational Regulation to Support Watershed Management	1069
Nancy J. Wheatley	
From Command and Control to Cooperation and Consensus: An Environmental Partnership Model	1072
Sheila A. Williamson, Dan Bruinsma, David W. Tucker	